Signature

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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.			2557-000189/US				
First Inventor MIN			I-HO KIM, et al.				
Title	DEMO	OULA	TOR CIRCUIT FOR DIGITAL TELEVISION AND ITION METHOD				

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Commissioner for Patents APPLICATION ELEMENTS Box Patent Application ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) 1. 🛛 Computer Program (Appendix) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) See 37 CFR 1.27. з. 🛛 a. Computer Readable Form (CRF) Specification [Total Pages (preferred arrangement set forth below) b. Specification Sequence Listing on: - Descriptive title of the Invention i. CD-ROM or CD-R (2 copies); or - Cross References to Related Applications - Statement Regarding Fed sponsored R & D c. Statements verifying identity of above copies - Reference to sequence listing, a table, or a computer program listing appendix **ACCOMPANYING APPLICATIONS PARTS** - Background of the Invention 9. - Brief Summary of the Invention Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) 10. 🔲 37 C.F.R.§3.73(b) Statement Power of - Detailed Description (when there is an assignee) Attorney - Claim(s) - Abstract of the Disclosure 11. 🔲 English Translation Document (if applicable) 4. 🔯 Total Sheets 12. 🔲 Information Disclosure Copies of IDS Drawing(s) (35 U.S.C.113) Statement (IDS)/PTO-1449 Citations 5. Oath or Declaration [Total Pages 13. 🔲 **Preliminary Amendment** a. Newly executed (original or copy) Return Receipt Postcard (MPEP 503) 14. 🛛 b. Copy from a prior application (37 CFR 1.63 (d)) (Should be specifically itemized) (for a continuation/divisional with Box 18 completed) 15. 🛛 Certified Copy of Priority Document(s) i. DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting inventor(s) 16. 🔲 Request and Certification under 35 U.S.C. 122 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. 🛛 Other: Information Sheet 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation-in-part (CIP) of prior application No: __ ☐ Continuation □ Divisional Group / Art Unit: Prior application information: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 17. CORRESPONDENCE ADDRESS Correspondence address below □ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Harness, Dickey & Pierce, P.L.C. Name P.O. Box 8910 Address City 20195 Reston VA Zip Code State Country United States of America Telephone 703-668-8000 703-668-8200 Name (Print/Type) John A. Castellar Registration No. (Attorney/Agent) 35,094

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Date

January 23, 2004

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FEE TRANSM	ΛΙΤΤΔΙ	Complete if Known				
for FY 20		Application Number	NEW January 23, 2004 MIN-HO KIM, et al.			
1011120	,00	Filing Date				
		Inventor(s)				
Patent fees are subject to a	annual revision.	Examiner Name	UNASSIGNED UNASSIGNED			
		Group / Art Unit				
TOTAL AMOUNT OF PAYMENT	(\$) 928.00	Attorney Docket No.	2557-000189/US			

NETHOD OF DAVMENT (sheek one)											
METHOD OF PAYMENT (check one) The Commissioner is hereby authorized to charge 3. ADDITIONAL FEES											
The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:							Di HONAL Large	. rees	Small		
			1_	Entity	_	Entity					
Deposit						Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Pald
Account 08-0750 Number			1051	130	2051	65	Surcharge - late filing fee or oath				
					1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
Deposit Account		Harness, Dic	key & Pierce, P.L	C.		1053	1053	1053	130	Non-English specification	
Name						1812	2,520	1812	2,520	For filing a request for reexamination	
		Additional Fee FR 1.16 and 1.				1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
See	37 CF	laims small ent R 1.27	ity status.			1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
2. 🛛 Pa	aymen	t Enclosed:				1251	110	2251	55	Extension for reply within first month	
☑ Check ☐ Credit card ☐ Money ☐ Other Order						1252	420	2252	210	Extension for reply within second month	
<u> </u>		CCC (ALCULATION			1253	950	2253	475	Extension for reply within third month	
1. BAS	IC FILI	ING FEE	ALCOLATION			1254	1,480	2254	740	Extension for reply within fourth month	
Large En	tity S	mail Entity				1255	2,010	2255	1,005	Extension for reply within fifth month	
Fee Fe	_	ee Fee	Fee Descriptio	n		1401	330	2401	165	Notice of Appeal	
Code (\$)		ode (\$)		Г	Fee Paid	1402	330	2402	165	Filing a brief in support of an appeal	
1001 77		001 385	Utility filing fee	L	770	1403	290	2403	145	Request for oral hearing	
1002 340 1003 530		002 170 003 265	Design filing fee Plant filing fee	•		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1004 77	0 2	004 385	Reissue filing fe	е [1452	110	2452	55	Petition to revive - unavoidable	
1005 16	0 2	005 80	Provisional fillin	g fee		1453	1,330	2453	665	Petition to revive - unintentional	
				_	(0)770	1501	1,330	2501	665	Utility issue fee (or reissue)	
		SUBTOTA	AL (1)	L	(\$)770	1502	480	2502	240	Design issue fee	
2. EXTRA C	CLAIM	FEES				1503	640	2503	320	Plant issue fee	
				Fee from	Fee	1460	130	1460	130	Petitions to the Commissioner	
L				below	Paid	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
Total Claims Independent	4	-3" =	1 X		= 72	1806	180	1806	180	Submission of Information Disclosure Stmt	
Claims Multiple Dependent)^		= 0	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	0
Large E	•	Small Enti	•			1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
Code (Fee (\$)	Fee Fee Code (\$)	ree Descrip			1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
	18	2202 9	Claims in ex		ann of a	1801	770	2801	385	Request for Continued Examination (RCE)	
	86 290	2201 43 2203 145	Independent Multiple dep								
	290 86	2203 143	** Reissue in original pater	dependent o	•	1802	900	1802	900	Request for expedited examination of a design application	
1205	1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent Other fee (specify)										
		;	SUBTOTAL (2)	(\$) 158					o Fee P	raid SUBTOTAL (3)	
**Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0											

SUBMITTED BY				Complete (if applicable)		
Name (Print/Type)	John A. Castellano	Registration No. Attorney/Agent)	35,094	Telephone	703-668-8000	
Signature	/	JUV		Date	January 23, 2004	